VF-HD500／HD500E

5-inch HDTV viewfinder
Operation Manual
5型 HDTV ビューファインダー
取 扱 説 明 書

Please read this operation manual carefully for proper operation, and keep it for future reference.
All the safety and operation instructing are described in the operation manual of the Camera.
Prior to use of this product, read all warnings and cautions in the operation manual carefully and follow them to prevent possible hazards such as shock hazard and fire hazard.

ご使用前にこの“取扱説明書”をよくお読みのうえ、正しくお使いください。
また、お読みになったあとは大切に保管してください。
本製品を安全に正しくお使いいただくために守っていただきたい事項はカメラ本体の取扱説明書に記載されています。
ご使用に当たっては、万一の事故（感電、火災等）を防止するため、これらの事項をお読みになり、指示に従ってください。

本製品を輸出される場合には、外国為替及び外国貿易管理法の規制をご確認の上、必要な手続きをお取り下さい。
尚、ご不明の場合は、弊社担当営業にお問い合わせください。

Hitachi Kokusai Electric
株式会社 日立国際電気

1. GENERAL

The VF-HD500 is a 5-inch black and white CRT view finder designed for Hitachi HDTV studio and EFP camera.

2. FEATURES

(1)High resolution
A high performance picture tube provides a high horizontal resolution of more than 750 lines.

(2)Stable picture
A stable picture with less fluctuation in size against the change in the brightness of screen is ensured by stabilizing the high voltage.

(3)High performance contour correction
A sharp picture is obtained because the leading and trailing edges of a signal is corrected by the aperture circuit.

(4)DC restoration
The stable black level is reproduced corresponding to the change of the aperture picture level (APL) by employing the pulse clamp method.

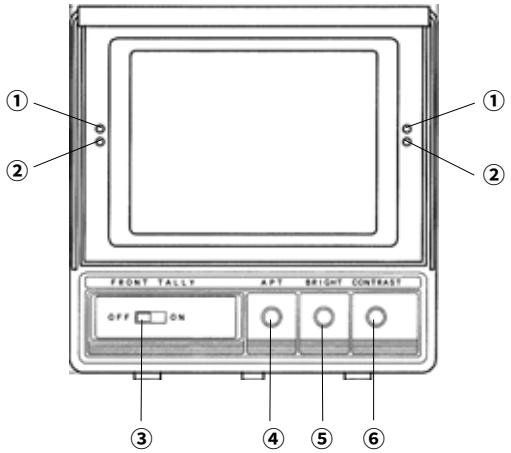
3. SPECIFICATIONS

(1)Input signal:	VS 1.0 V p-p sync negative
(2)CRT:	5-inch black and white (S1204P45N1 or equivalent)
(3)Power requirement:	+12V DC
(4)Resolution:	750 lines or more
(5)Maximum brightness:	100ft-L or more
(6)Deflection Linearity:	1% at center, 2% or less at corners (Picture height)
(7)Geometric distortion:	2% or less
(8)Dimensions and mass:	140(W) × 138(H) × 252(D)mm, 1.8kg
(9)Power consumption:	15W approx.
(10)System	VF-HD500 : 1080i / 59.94Hz VF-HD500E : 1080i / 50.00Hz

4. OPERATING CONDITION

(1)Input signal level: VS 1.0Vp-p±6dB
(2)Power input voltage: 11 to 17V DC
(3)Ambient temperature
(a)Full specifications: 0 to 40 ℃
(b)Operating: -10 to 45 ℃
(c) Storage: -20 to 60℃

5. EACH DESCRIPTION



①R Tally lamp
②G Tally lamp
③Front tally switch
(FRONT TALLLY OFF/ON)
④Aperture control (APT)
⑤Brightness control (BRIGHT)
⑥Contrast control (CONTRAST)

IMPORTANT NOTICE

For U.S.A.

These products have been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. These products generates, use, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, they may cause harmful interference to radio communications. Operation of these product in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

WARNING

Changes or modifications not expressly approved by Hitachi Kokusai Electric responsible for compliance could void the user's authority to operate the equipment.

For Canada

These products do not exceed the class A limits for radio noise emissions from digital apparatus as set out in the radio interference regulations.

Le présent appareil n'émet pas de bruits radioélectriques dépassant les limités applicable aux appareils numériques de classe A prescrites dans le réglement sur le brouillage radioélectrique édicter par le ministére des communications du canada.

１．概要

VF-HD500 は日立放送用ハイビジョンカメラと組み合わせて使用できる
５型白黒 CRT ハイビジョンビューファインダーです。

２．特長

(1) 高解像度
高性能ブラウン管を採用し、水平解像度 750 本以上を実現しています。

(2) 安定した画像
安定度の良い高圧電源の採用により、画面の輝度変化に対し画像サイズ変動の少ない安定した画像が得られます。

(3) 高性能の輪郭補正
対象性の良い本格的アパーチャ回路の採用によりシャープな画像が得られます。

(4) 直流再生
パルスクランプ方式の採用により安定した黒レベルを再現します。

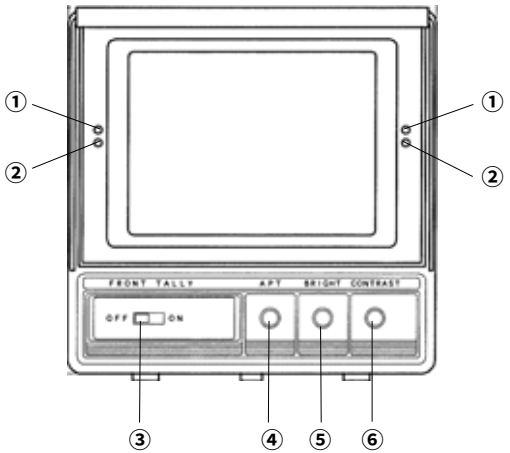
３．主な仕様、性能

（1）入力信号：	VS1.0Vp-p(75Ω受け)
（2）使用ブラウン管：	5 型白黒（S1204P45N1 または相当品）
（3）電源入力：	DC+12V
（4）解像度：	750 本以上
（5）最大輝度：	100ft-L 以上
（6）偏向直線性：	中心 1%、周辺２%以下（ピクチャハイト）
（7）幾何学ひずみ：	2%以下
（8）寸法、質量：	140（幅）×138（高）×252（奥行き）mm、1.8kg
（9）消費電力：	約 15W
（10）走査方式	VF-HD500　: 1080i / 59.94Hz
	VF-HD500E : 1080i / 50.00Hz

４．使用条件

（1）入力信号レベル：	VS 1.0Vp-p±6dB
（2）電源入力電圧：	DC11V～17V
（3）周囲温度：	
（a）性能維持：	0～+40℃
（b）動作維持：	-10～+45℃
（c）保存：	-20～+60℃

５．各部の名称



①フード内 R タリーランプ
②フード内 G タリーランプ
③タリースイッチ
（FRONT TALLY ON/OFF）
④アパーチャ調整つまみ（APT）
⑤輝度調整つまみ（BRIGHT）
⑥コントラスト調整つまみ
(CONTRAST)

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Declaration of Conformity

Manufacturer's Name:	**Hitachi Kokusai Electric Inc.**
Manufacturer's Address:	4-14-1 Sotokanda, Chiyoda-ku, Tokyo 101-8980, Japan
Representative(s) Address in the EU:	**Hitachi Kokusai Electric Europe GmbH** Siemensstr. 9, D-63263 Neu-Isenburg, Germany
	Hitachi Kokusai Electric U.K. Ltd. Windsor House, Britannia Road ,Waltham Cross, Herts.EN8 7NX, United Kingdom

declares, that the product:

Product Name:	**Color Camera**
Model Number(s):	**SK-HD1000E**
Product Name:	**Camera Adaptor**
Model Number(s):	**CA-HF1000E**
Product Name:	**View Finder**
Model Number(s):	**VF-HD500E**
Product Name:	**Remote Controller**
Model Number(s):	**RU-3400JY**
	RU-3400VR

conforms to the following Standards:

EMC: EN 55103-1:1997 class E3
EN 55103-2:1997 class E3

Supplementary Information:
"The product complies with the requirements of the Low Voltage Directive 2006/95/EC and the EMC Directive 2004/108/EC."

Signature:

Y.Yamada
Senior Manager
Quality Assurance Department Ⅱ
Quality Assurance Center
Hitachi Kokusai Electric Inc.
Date:25 September 2008

M.Katou
Managing Director
Hitachi Kokusai Electric Europe GmbH
Hitachi Kokusai Electric U.K. Ltd.

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